

## Receiving Report

Date: 8/5/16  
 Supplier: CAMP1

Batch No: M108055  
 Dart P/O: 6271

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☐ No ☒  
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☐ No ☒ N/A ☐  
 Waybill Attached: Yes ☐ No ☒ N/A ☐  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC6 Inspection 08/05/16 N/A ☒  
 Work Order                      N/A ☒

### Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12

Production/Admin:

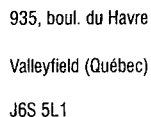
Date

Received/Costing

Initial

08/05/20  
RCP 7921  
CR

Location



**MONTREAL : 514 336-4248**  
**FAX : 514 336-4246**

**DISTRIBUTEUR D'ACIER ET MÉTAUX SPÉCIALISÉS**  
**STEEL AND SPECIALTY METALS DISTRIBUTOR**

**ONTARIO : 1 800 667-4248**  
**FAX : 1 866 456-4242**

*On a du Savoir "FER"*

VENDU À /SOLD TO:

613-632-5200      613-632-1053

DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY.  
ONTARIO  
K6A 1K7

EXPÉDIEZ À / *SHIP TO:*

RECEIVED JUN 02 2008

DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY.  
ONTARIO  
K6A 1K7.

FACTURE  
INVOICE

N° 189557

DATE 16/05/08

**BON DE LIVRAISON**      **N°**  
**PACKING SLIP**

DATE DE LIVRAISON 16/05/08  
DELIVERY DATE

VOTRE N° DE COMMANDE / YOUR P.O. N°	VEND. / SALESM.	CODE CLIENT / CUST. CODE	EXPEDIE PAR / SHIP VIA	TERMES / TERMS	TERR.	REMARQUES / REMARKS	PAGE N°
6271	D	DAER		NET 30 JOURS	2R		001

[illegible]

* Unités de mesure :	CLB	Cent livres	• CPI	Cent pieds	• UN	Unité	• PI	Pied	• PC	Pied carré
Units of measure:		Hundred pounds		Hundred feet		Unit		Foot		Square foot

POIDS TOTAL	53
TOTAL WEIGHT	

Formplus N° 8619

CONDITIONS :

LES MATÉRIELS LIVRÉS ET FACTURÉS, QUE DÉCRITS DEMEURENT LA PROPRIÉTÉ DE **AGRICAMP ICI**. JUSQU'À PARFAIT PAIEMENT COMPLET ENCAISSÉ. - LES RISQUES DE PERTES DU BIEN SONT À LA CHARGE DE L'ACHETEUR. - LA GARANTIE DE QUALITÉ DU MATÉRIEL EST LA MÊME QUE CELLE DU FABRIQUANT. - L'ACHETEUR S'ENGAGE À RESPECTER LES CONDITIONS SUIVANTES: NET 30 JOURS DE LA DATE DE FACTURATION, ET TOUT COMPTÉ IMPAYÉ DANS LES 30 JOURS ENTRAÎNE DES FRAIS DE 2% PAR MOIS (24% PAR ANNÉE) QU'IL ACCEPTE DE PAYER. - TOUT DÉFAUT D'EXÉCUTER L'UNE OU L'AUTRE DES OBLIGATIONS EN VERTU DU PRÉSENT CONTRAT ENTRAÎNE LA DÉCHÉANCE DU TERME ET PERMET AU VENDEUR, À SON CHOIX, DE RÉCLAMER TOUT SOLDE DU PRIX DE VENTE OU PRENDRE LE BIEN VENDU. - TOUTE RÉCLAMATION DOIT ÊTRE FAITE DANS LES CINQ JOURS SUivant PRÉSENTATION DE CE DOCUMENT. - TOUTE MARCHANDISE ENDOMMAGÉE, ALTÉRÉE OU COUPÉE NE PEUT ÊTRE REPRISE. - AUCUN RETOUR DE MARCHANDISE NE SERA ACCEPTÉ SANS NOTRE AUTORISATION. - TOUTE MARCHANDISE RETOURNÉE EST SUJETTE À DES FRAIS DE MANUTENTION DE 25%.

### CONDITIONS:

ALL SOLD AND DELIVERED MATERIALS REMAIN THE PROPERTY OF "ACIER CAMPI INC." UNTIL PAYMENT IS MADE IN FULL, COMPLETE AND CASHED. ALL LOSS MATERIALS ARE AT THE BUYER'S EXPENSE. • ALL MATERIALS BEAR THE SAME WARRANTY AS GIVEN BY THE MANUFACTURER. THE BUYER HEREBY ACCEPTS TO RESPECT THE FOLLOWING CONDITIONS: NET 30 DAYS FROM BILLING DATE AND THE BUYER ACCEPTS TO PAY ADMINISTRATION CHARGES OF 2% PER MONTH OR 24% PER ANNUM ON ALL PAST DUE ACCOUNTS OVER 30 DAYS. • ANY DEFAULT IN RESPECT WITH THIS CONTRACT WILL LEAD TO PAYMENT BY ACCELERATION AND PERMITS TO THE SELLER, AT HIS CHOICE TO CLAIM FOR THE BALANCE DUE OR THE REPOSSESSION OF THE GOODS SOLD. • ANY CLAIM MUST BE MADE WITHIN FIVE DAYS WITH THIS DOCUMENT ENCLOSED. • ANY MERCHANDISE THAT HAS BEEN DAMAGED, CUT OR MODIFIED CANNOT BE RETURNED. • ALL GOODS RETURNED MUST BE WITH OUR AUTHORIZATION AND ARE SUBJECT TO A 25% RESTOCKING CHARGE.

MARCHANDISE RECUE EN BONNE CONDITION *MERCHANDISE RECEIVED IN GOOD CONDITION*

SOUS-TOTAL	553.16
SUB TOTAL	

T.P.S.	27.66
G.S.T.	

T.V.Q.	0.00
O.S.T.	

TOTAL	580.82
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PRÉPARÉ / PREPARED	VÉRIFIÉ / VERIFIED
--------------------	--------------------

LIVRÉ / DELIVERED

HEURE / TIME
--------------

PAR  
BYPAR  
BY

**X**

A/Y	M/M	J/D
-----	-----	-----

DATE \_\_\_\_\_

SIGNATURE DU CLIENT / CUSTOMER'S SIGNATURE

N° ENR. TPS / GST REG. N° R 135 534 717 • N° ENR. TVQ / QST REG. N° 1 015 668 543

C A M P I

935, boul. du Havre

Valleyfield (Québec)

J6S 5L1

TÉLÉPHONE : 450 377-4248

FAX : 450 377-5696

MONTRÉAL : 514 336-4248

FAX : 514 336-4246

DISTRIBUTEUR D'ACIER ET MÉTAUX SPÉCIALISÉS

STEEL AND SPECIALTY METALS DISTRIBUTOR

ONTARIO : 1 800 667-4248

FAX : 1 866 456-4242

On a du Savoir " FER "

VENDU À / SOLD TO:

613-630-5000

613-630-1053

EXPÉDIEZ À / SHIP TO:

DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY,  
ONTARIO  
K6A 1K7

DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY,  
ONTARIO  
K6A 1K7

COMMANDE  
ORDRE

N° 104061

DATE

08/05/08

BON DE LIVRAISON  
PACKING SLIP

N°

DATE DE LIVRAISON  
DELIVERY DATE

16/05/08

VOTRE N° DE COMMANDE / YOUR P.O. N°	VEND. / SALESM.	CODE CLIENT / CUST. CODE	EXPÉDIE PAR / SHIP VIA	TERMES / TERMS	TERR.	REMARQUES / REMARKS	PAGE N°
6271	D	DAER		NET 30 JOURS	2R		001

✓ NOMBRE QUANTITY	CODE DE PRODUIT PRODUCT CODE	COMMANDE ORDERED	EXPÉDIE SHIPPED	DESCRIPTION	POIDS WEIGHT	PRIX PRICE	PAR PER *	MONTANT AMOUNT
				30 DE 134718				
12		12	1x12"	4130 NORM ROND 3/8"	✓ 12.00			
1		1	1x12"	1 X				
20		20	1x206"	TUBE 4130 3/8 OD X .085	✓ 20.00			
1		1	1x206"	1 X				
20		20	1x209"	TUBE 4130 1/2 OD X .358	20.00			
1		1	1x209"	1 X				
				ENERGETIC SURCHARGE	1.00			

\* Unités de mesure : CLB Cent livres / Hundred pounds • CPI Cent pieds / Hundred feet • UN Unité / Unit • PI Pied / Foot • PC Pied carré / Square foot

POIDS TOTAL  
TOTAL WEIGHT 53

Formplus N° 8619

## CONDITIONS

LES MATÉRIAUX LIVRÉS ET FACTURÉS TELS QUE DÉCRITS DEMEURENT LA PROPRIÉTÉ DE "ACIER CAMPI INC." JUSQU'À PARFAIT PAIEMENT COMPLET ENCAISSÉ. • LES RISQUES DE PERTES DU BIEN SONT À LA CHARGE DE L'ACHETEUR. • LA GARANTIE DE QUALITÉ DU MATÉRIEL EST LA MÊME QUE CELLE DU FABRICANT. • L'ACHETEUR S'ENGAGE À RESPECTER LES CONDITIONS SUIVANTES : NET 30 JOURS DE LA DATE DE FACTURATION, ET TOUT COMPTE IMPAYÉ DANS LES 30 JOURS ENTRAÎNE DES FRAIS DE 2% PAR MOIS (24% PAR ANNÉE) QU'IL ACCEPTE DE PAYER. • TOUT DÉFAUT D'EXÉCUTER L'UNE OU L'AUTRE DES OBLIGATIONS EN VERTU DU PRÉSENT CONTRAT ENTRAÎNE LA DÉCHÉANCE DU TERME ET PERMET AU VENDEUR, À SON CHOIX, DE RÉCLAMER TOUT SOLDE DU PRIX DE VENTE OU REPRENDRE LE BIEN VENDU. • TOUTE RÉCLAMATION DOIT ÊTRE FAITE DANS LES CINQ JOURS SUR PRÉSENTATION DE CE DOCUMENT. • TOUTE MARCHANDISE ENDOMMAGÉE, ALTÉRÉE OU COUPÉE NE PEUT ÊTRE REPRISSE. • AUCUN RETOUR DE MARCHANDISE NE SERA ACCÉPTÉ SANS NOTRE AUTORISATION. • TOUTE MARCHANDISE RETOURNÉE EST SUJETTE À DES FRAIS DE MANUTENTION DE 25%.

## CONDITIONS

ALL SOLD AND DELIVERED MATERIALS REMAIN THE PROPERTY OF "ACIER CAMPI INC." UNTIL PAYMENT IS MADE IN FULL, COMPLETE AND CASHED. ALL LOST MATERIALS ARE AT THE BUYER'S EXPENSE. • ALL MATERIALS BEAR THE SAME WARRANTY AS GIVEN BY THE MANUFACTURER. THE BUYER HEREBY ACCEPTS TO RESPECT THE FOLLOWING CONDITIONS: NET 30 DAYS FROM BILLING DATE AND THE BUYER ACCEPTS TO PAY ADMINISTRATION CHARGES OF 2% PER MONTH OR 24% PER ANNUM ON ALL PAST DUE ACCOUNTS OVER 30 DAYS. • ANY DEFAULT IN RESPECT WITH THIS CONTRACT WILL LEAD TO PAYMENT BY ACCELERATION AND PERMITS TO THE SELLER, AT HIS CHOICE TO CLAIM FOR THE BALANCE DUE OR THE REPOSSESSION OF THE GOODS SOLD. • ANY CLAIM MUST BE MADE WITHIN FIVE DAYS WITH THIS DOCUMENT ENCLOSED. • ANY MERCHANDISE THAT HAS BEEN DAMAGED, CUT OR MODIFIED CANNOT BE RETURNED. • ALL GOODS RETURNED MUST BE WITH OUR AUTHORIZATION AND ARE SUBJECT TO A 25% RESTOCKING CHARGE.

## MARCHANDISE REÇUE EN BONNE CONDITION / MERCHANDISE RECEIVED IN GOOD CONDITION

PRÉPARÉ / PREPARED

VÉRIFIÉ / VERIFIED

LIVRÉ / DELIVERED

HEURE / TIME

PAR  
BYPAR  
BYPAR  
BY

N° ENR. TPS / GST REG. N° R 135 534 717

N° ENR. TVQ / QST REG. N° 1 015 668 534

SIGNATURE DU CLIENT / CUSTOMER'S SIGNATURE

DATE

SOUS-TOTAL  
SUB TOTALT.P.S.  
G.S.T.T.V.Q.  
Q.S.T.

TOTAL

# Dart Aerospace Ltd

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawksbury, Ontario K6A 1K7  
Phone: (613) 632-3336  
Fax: (613) 632-4443

## Receiving Slip

Date May 20, 2008	Page 1
Receipt Number RCP00007921	

### Purchase From:

Campi Steel  
935 Boul. Du Havre  
Valleyfield, QC J6S 5L1

### Ship To:

Main Finished Goods Location  
Dart Aerospace Ltd  
1270 Aberdeen St  
Hawksbury, Ontario K6A 1K7

Reference	Description	Contact	Vendor Number	PO Number
			VC-CAM002	PO00006271

Vendor Item Number	Item Number	Description	Qty. Received	UOM	Unit Cost	Extended Cost	Arrival Date
	M4130NR0375	4130 steel rod .375" PER MIL-S-6758 OR AMS 6348/6370/6528 MATERIAL: AISI 4130N ROUND BAR B/N108059	12.0000	f	10.450000	125.40	May 20, 2008
	M4130NT0375W08	4130 tube .375OD .085 PER MIL-T-6736 OR AMS 6371/6360/6361/6362/6373/6374 MATERIAL: AISI 4130N STEEL TUBING B/N108059	20.0000	f	11.250000	<i>CZ</i> 225.00	May 20, 2008
	M4130NT0500W05	4130 tube .500OD .058 AS ABOVE B/N108059	20.0000	f	9.500000	<i>CZ</i> 190.00	May 20, 2008

Comments:

# DART

## Purchase Order

Date May 01, 2008	Page 1
Purchase Order Number PO00006271	

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawksbury, Ontario K6A 1K7  
Phone: (613)632-9577  
Fax: (613)632-1053

**FAXED**  
613-632-1053

**Vendor Address:**

Campi Steel  
935 Boul. Du Havre  
Valleyfield, QC J6S 5L1  
Phone (800) 667-4248  
Fax (450) 377-5696

**Ship To:**

Main Finished Goods Location  
Dart Aerospace Ltd  
1270 Aberdeen St  
Hawksbury, Ontario K6A 1K7

Reference	Contact	Vendor Number	PO Date	Terms	Ship Via	Expected Arrival
		VC-CAM002	May 01, 2008	N30	yours	May 06, 2008

Qty. Ordered	Item Number	Description	Expected Arrival	Drop-Ship	Unit Cost	UOM	Extended Price
✓ 100.0000 <i>New 20</i>	M6061T6A750W0625	angle 750 x 750 x.1/16w <b>Comments:</b> MATERIAL: 6061-T6 OR T6511 (QQ-A-200/8) ALUMINUM ANGLE	5/6/2008	No	0.670000	f	67.00
12.0000	M304TS1250W120	304 SQ Tube1.250x1.250 <b>Comments:</b> MATERIAL: AISI 304/316 SS SQUARE TUBING	5/6/2008	No	8.850000	f	106.20
✓ 12.0000	M4130NR0375	4130 steel rod .375" <b>Comments:</b> MATERIAL: AISI 4130N ROUND BAR PER MIL-S-6758 OR AMS 6348/6370/6528	5/6/2008	No	10.450000	f	125.40
✓ 20.0000	M4130NT0375W085	4130 tube .375OD .085W <b>Comments:</b> MATERIAL: AISI 4130N STEEL TUBING PER MIL-T-6736 OR AMS 6371/6360/6361/6362/6373/6374	5/6/2008	No	11.250000	f	225.00
✓ 20.0000	M4130NT0500W058	4130 tube .500OD .058W <b>Comments:</b> AS ABOVE	5/6/2008	No	9.500000	f	190.00

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

**Comments:****Tax Summary:**

GST 35.68  
GSTME 0.00  
GSTND 0.00

Less:  
included tax

0.00

Subtotal

713.60

Total tax

35.68

Total purchase order in

CAD Dollars

749.28

Entered By: *CL* CLAVOIE

Approved By: *V*



935, boul. du Havre  
Valleyfield (Québec)  
J6S 5L1

TÉLÉPHONE : 450 377-4248  
FAX : 450 377-5696

MONTRÉAL : 514 336-4248  
FAX : 514 336-4246

ONTARIO : 1 800 667-4248  
FAX : 1 866 456-4242

37681  
DISTRIBUTEUR D'ACIER ET MÉTAUX SPÉCIALISÉS  
STEEL AND SPECIALTY METALS DISTRIBUTOR

On a du Savoir "FER"

VENDU À / SOLD TO:

613-632-5200 613-632-1053

EXPÉDIEZ À / SHIP TO:

DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY,  
ONTARIO  
K6A 1K7

DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY,  
ONTARIO  
K6A 1K7

COMMANDE  
ORDER N° 134965

DATE 08/05/08

BON DE LIVRAISON  
PACKING SLIP N°

DATE DE LIVRAISON  
DELIVERY DATE 16/05/08

VOTRE N° DE COMMANDE / YOUR P.O. N°	VENDEUR / SALESMAN	CODE CLIENT / CUST. CODE	EXPÉDIE PAR / SHIP VIA	TERMES / TERMS	TERR.	REMARQUES / REMARKS	PAGE N°
6271	D	DAER		NET 30 JOURS	2R		001

✓	NOMBRE QUANTITY	CODE DE PRODUIT PRODUCT CODE	COMMANDE ORDERED	EXPÉDIE SHIPPED	DESCRIPTION	POIDS WEIGHT	PRIX PRICE	PAR PER *	MONTANT AMOUNT
					BO DE 134718				
	12				4130 NORM. ROND 3/8 1 X	12.00			
	20				TUBE 4130 3/8 OD X .085 1 X	20.00			
	20				TUBE 4130 1/2 OD X .058 1 X	20.00			
	1				ENERGETIC SURCHARGE	1.00			

\* Unités de mesure - Units of measure: CLB Cent livres Hundred pounds • CFI Cent pieds Hundred feet • UN Unit • PI Pied Foot • PC Pied carré Square foot

POIDS TOTAL  
TOTAL WEIGHT 53

Formplus N° 861

CONDITIONS:

LES MATÉRIAUX LIVRÉS ET FACTURÉS SONT LA PROPRIÉTÉ DE "ACIER CAMP I INC." JUSQU'À PAIEMENT COMPLET EN CASH. • LES RESPONSABILITÉS DE PERTES OU BIEN SONT À LA CHARGE DE L'ACHETEUR. • LA GARANTIE DE QUALITÉ DU MATÉRIEL EST LA MÊME QUE CELLE DU FABRICANT. • L'ACHETEUR S'ENGAGE À RESPECTER LES CONDITIONS SUIVANTES: NET 30 JOURS DE LA DATE DE FACTURATION, ET TOUT COMPTE INSTRUMENTÉ LES 30 JOURS SUIVANTS DES PAIEMENTS DE 25% PAR MOIS (24% PAR ANNÉE) QU'IL ACCEPTE DE PAYER. • TOUT DÉFAUT D'EXÉCUTION LÈVE OU LÈVE DES OBLIGATIONS EN VERTU DU PRÉSENT CONTRAT. ENTRAÎNE LA DÉCHARGE DU VENDEUR ET PERMET AU VENDEUR, À SON CHOIX, DE RÉCLAMER TOUT SOLDE DU PRIX DE VENTE DU PRÉSENT CONTRAT. • TOUTE RÉCLAMATION DOIT ÊTRE FAITE DANS LES CINQ JOURS SUIVANT LA PRÉSENTATION DE CE DOCUMENT. • TOUTE MARCHANDISE ENDOMMAGÉE, ALTRÉE OU DÉFECTUEUSE NE PEUT ÊTRE RETOURNÉE. • AUCUN RETOUR DE MARCHANDISE NE SERA ACCEPTÉ SANS L'AUTORISATION. • TOUTE MARCHANDISE RETOURNÉE EST SOUVERAINE À DES FRAIS DE MANUTENTION DE 25%.

CONDITIONS:

ALL SOLD AND DELIVERED MATERIALS REMAIN THE PROPERTY OF "ACIER CAMP I INC." UNTIL PAYMENT IS MADE IN FULL, COMPLETE AND CASHED. • ALL LOST MATERIALS ARE AT THE BUYER'S EXPENSE. • ALL MATERIALS BEAR THE SAME WARRANTY AS GIVEN BY THE MANUFACTURER. THE BUYER HEREBY ACCEPTS TO RESPECT THE FOLLOWING CONDITIONS: NET 30 DAYS FROM BILLING DATE AND THE BUYER ACCEPTS TO PAY ADMINISTRATION CHARGES OF 2% PER MONTH OR 24% PER ANNUM ON ALL PAST DUE ACCOUNTS OVER 30 DAYS. • ANY DEFAULT IN RESPECT WITH THIS CONTRACT WILL LEAD TO PAYMENT BY ACCELERATION AND PERMITS TO THE SELLER, AT HIS CHOICE TO CLAIM FOR THE BALANCE DUE OR THE REPOSSESSION OF THE GOODS SOLD. • ANY CLAIM MUST BE MADE WITHIN FIVE DAYS WITH THIS DOCUMENT ENCLOSED. • ANY MERCHANDISE THAT HAS BEEN DAMAGED, USED OR MODIFIED CANNOT BE RETURNED. • ALL GOODS RETURNED MUST BE WITH OUR AUTHORIZATION AND ARE SUBJECT TO A 25% RESTOCKING CHARGE.

MARCHANDISE REÇUE EN BONNE CONDITION / MERCHANDISE RECEIVED IN GOOD CONDITION

PRÉPARÉ / PREPARED

VÉRIFIÉ / VERIFIED

LIVRÉ / DELIVERED

HEURE / TIME

PAR  
BY

PAR  
BY

PAR  
BY

N° ENR. TPS / GST REG. N° R 135 534 717 • N° ENR. TVQ / QST REG. N° 1 015 668 543

X

SIGNATURE DU CLIENT / CUSTOMER'S SIGNATURE

DATE

SOUS-TOTAL  
SUB TOTAL

T.P.S.  
G.S.T.

T.V.Q.  
Q.S.T.

TOTAL



CERTIFICATE OF TESTS

401 ROSE AVE S E  
MASSILLON, OH 44646  
REPUBLIC ENGINEERED PRODUCTS

FAX 330-837-7017

January 30, 2008

PAGE 1

OF 2

PURCHASE ORD: 01-40811

PART NUMBER: IAC16009

ORDER NUMBER: 1357859 - 01

HEAT: 8990031

CHARGE ADDRESS

PURCHASE ORDER DATE:

11/15/2007

ACCOUNT NUMBER:

5613-1780-01

SCHEDULE:

5127-04

REVISION:

1

SHIP TO

## MATERIAL DESCRIPTION

COLD FINISHED STEEL BARS ALLOY ASTM A108-03 LEVEL 1 FG AMS 2301J AMS 6348C AMS 6 6788A COND D-4  
REVISION DTD 09/03 HRC MARK AMS 6370M CASTLE METALS SPEC G41300-02 REVISION 23 DTD 06/06/07 UNS  
G41300 BP-AISI-4130 FINE GRAIN VACUUM DEGASSED COLD DRAWN NORM BEFORE CD RESTRICTED HARDENABILITY  
LIGHT WEIGHT LIFT

SIZE: RDS .3750 DIAM X 10FT 0.0000IN MIN/13FT 0.0000IN MAX  
RDS 9.5250MM DIAM X 3048.0000MM MIN/3962.4000MM MAX

## LADLE CHEMISTRY %

C	MN	P	S	SI	CU	NI	CR
0.29	0.47	0.009	0.013	0.22	0.14	0.12	0.91
V	MO	BN	AL	CB	N		
0.004	0.18	0.007	0.026	0.001	0.0057		

## CALCULATED TESTS

REDUCTION RATIO 1,177.6 TO 1

AUSTENITIC GRAIN SIZE 5 OR FINER BASED ON A TOTAL ALUMINUM CONTENT EQUAL TO OR GREATER THAN .020% PER  
ASTM A29.

## SEMI - FINISHED RESULTS

JOMINY HARDNESS TEST

SAE J406/ASTM A255

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 18 20 22 24 26 28 30 32  
51 50 48 44 38 34 32 31 30 29 28 26 27 27 26 25 24 23 23 22 22 21 20

MACRO ETCH TEST

ASTM E381/MIL STD 430

ETCHANT: HCL TEMPERATURE: 170

	S	R	C
AVG	1	1	1

MAGNETIC PARTICLE TEST

AMS 2301 AMS2304 AMS2300

	IND	AVG	IND	AVG
	FREQ	FREQ	SEV	SEV
PCN 03	0	0	0	0

## FINISHED SIZE RESULTS

DECARBURIZATION TEST

SAE J419/ASTM E1077

ETCHANT = NITAL MAGNIFICATION = 100X

TOTAL  
DEPTH  
INCHES

PCN 260 0.002

C. R. ANDERSON  
GEN. MGR. COLD FINISHED OPERATIONS

BY ALISON J. BLONDHEIM

DATE RCVD 1/10/08  
IAC 1/10/08  
APPROVED BY



CERTIFICATE OF TESTS

401 ROSE AVE S E  
MASSILLON, OH 44664-6  
REPUBLIC ENGINEERED PRODUCTS

FAX 330-837-7017

January 30, 2008

PAGE 2

OF 2

PURCHASE ORD: 01-40811  
PART NUMBER: IAC16009  
ORDER NUMBER: 1357859 - 01  
BRAT: 8990031PURCHASE ORDER DATE: 11/15/2007  
ACCOUNT NUMBER: 5613-1780-01  
SCHEDULE: 5127-84  
REVISION: 1DECARBURIZATION TEST SAE J419/ASTM E1077  
ETCHANT - NITAL MAGNIFICATION - 100XTOTAL  
DEPTH  
INCHES

PCE 01 0

HARDNESS TEST ASTM E10/ASTM A370 HBW AS-RLD/CD HBW  
MID-RADIUS  
AVG 185HARDNESS TEST ASTM E10/ASTM A370 HBW AS-RLD/CD HBW  
SURFACE  
PCE 01 175  
PCE 02 182

## NOTES

REPUBLIC ENGINEERED PRODUCTS HEREBY CERTIFY THAT THE MATERIAL LISTED HEREIN HAS BEEN INSPECTED AND TESTED IN ACCORDANCE WITH THE METHODS PRESCRIBED IN THE GOVERNING SPECIFICATIONS AND BASED UPON THE RESULTS OF SUCH INSPECTION AND TESTING HAS BEEN APPROVED FOR CONFORMANCE TO THE SPECIFICATIONS.

CERTIFICATE OF TESTS SHALL NOT BE REPRODUCED EXCEPT IN FULL.

ALL TESTING HAS BEEN PERFORMED USING THE CURRENT REVISION OF THE TESTING SPECIFICATIONS.

RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FED STATUTES TITLE 18 CHAPTER 47.

THE MATERIAL WAS NOT EXPOSED TO MERCURY OR ANY METAL ALLOY THAT IS LIQUID AT AMBIENT TEMPERATURE DURING PROCESSING OR WHILE IN OUR POSSESSION.

NO WELD OR WELD REPAIR WAS PERFORMED ON THIS MATERIAL.

THE RESULTS REPORTED RELATE ONLY TO THE ITEMS TESTED

MATERIAL WAS VACUUM DEGASSED.

ALUMINUM FINE GRAIN PRACTICE.

MICROSTRUCTURE IS SATISFACTORY.

## SOURCE INFORMATION

MELT SOURCE: CANTON CAST ROLL MELT COUNTRY: U.S.A HOT ROLL SOURCE: LORAIN 0/10, U.S.A  
MELT METHOD: BP BLOOM RED. RATIO: 1177.6

END OF DATA

CC

END OF DATA

FAX SHIP TO 1 COPY ATTENTION CASTLE RECEIVING 1-8474561642  
WITH SHIPMENT 2 COPIES PRINTED AT SHIPPING AREA  
FILE 1 COPYC. R. ANDERSON  
GEN. MGR. COLD FINISHED OPERATIONS

BY ALISON J. BLONDHEIM





NO. 1010 P. 6  
**PRODUCT CERTIFICATION**

SALES ORDER - LINE ITEM/RLS  
010660 - 1 / 0

WORK ORDER 006252  
HEAT NUMBER 508647



3/8

CUSTOMER P.O. P807441001	CUSTOMER PART 100102	LADING NO	SHIPMENT DATE
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PART DESCRIPTION: H03750630J000

OD: 0.3750" Max: 0.3790" Min: 0.3750"

Wall: 0.0030" Max: 0.0010" Min: 0.0750"

Length: 17.00' / 24.00' Spec: MIL-T 6726B Seamless Aircraft

Grade: 4130

Finish: Cond N

**Additional Specification(s)**

Complies to AMS-T 6734

This test report data is for the heat Chemistry Stated above.

The material in this test report is:

- 1) Free from Mercury contamination.
- 2) Not NAFTA compliant.

End of Certification

**THESE TEST REPORTS APPLY**

TO  
P.O. No. 31-5166359  
INV. No. 229108  
FOOTAGE 30.5000  
DATE 5/16/08

Pgs 1/2

I certify that the results are a true and correct copy of the records prepared and maintained by Plymouth Tube Company, Streator in compliance with the requirements of the cited specification. Chemistry is as reported by the Steel supplier. This test report cannot be reproduced or distributed except in full without the written permission of Plymouth Tube.

Date W. Schmidt

Quality Assurance



**PLYMOUTH TUBE CO.**  
East 12th Street, Minneapolis 61384  
Phone: (612) 673-1515 Fax No. (612) 677-7343

**PRODUCT CERTIFICATION**  
SALES ORDER - LINE ITEM/ RLS  
019009 - 1 / 0

WORK ORDER 0063252  
HEAT NUMBER 508647

**GB-9000**



CUSTOMER P.O. F807441001	CUSTOMER PART 100102	LADING NO	SHIPMENT DATE						
PART DESCRIPTION: F807441001									
CO: 0.3750" Max: 0.3750" Min: 0.3750" Wall: 0.0030" Max: 0.0016" Min: 0.0750" Length: 17.00' (34.00' Spec: MIL-T 87308 Seamless Aircraft Grade: 4130 Profile: Quad N									
CERTIFICATION REQUIREMENTS This material was Edley Current tested and conforms to the requirements of ASTM A-486. The material is stress relief annealed. The final annealing temperature was 1170 degrees Fahrenheit. The Grain size is determined and reported by the raw material supplier in accordance to ASTM E-412. This raw material was magnetic particle inspected by the raw material supplier in accordance to AMS 3040J and/or ASTM E-1444, and noted as Frequent, and severity to AMS 2307, minor reduction. Yield is determined by using the 0.2% offset method.									
Chemical Analysis									
C	Mn	P	S	Si	Al	Cr	Ni	Pb	Cu
.32	.53	.025	.004	.32	.324	.36	.17	.07	.001 .87
V	Ti	Sn							
.002	.002	.012							
Physical Properties									
Fret. Severity Grain Size									
.000 .044									
Melt Source									
Bavaria Steel Corp - Germany									
Mechanical Properties									
TEST	UNIT	TESTS	HIGH	LOW	AVERAGE	STD-DEV			
Tensile	Psi	11	122250	112250	112250	550			
Yield	Psi	11	117200	106440	110820	2044			
elongation	%	11	18	17	18	1			
Reduction of Area	%	0							
Rockwell C	Re	11	23	20	22	1			
TEST	RESULT								
Rebar 400	Pace								
Total EXCD checks	Pace								

I certify that the results are a true and correct copy of the records prepared and maintained by Plymouth Tube Company. Steelmaker in compliance with the requirements of the cited specification. Chemistry is as reported by the Steel supplier. This test report cannot be reproduced or distributed except in full without the written permission of Plymouth Tube.

**Dale W. Schmidt**  
Quality Assurance

1289 East 12th Street, Stretzor, Illinois 61264  
Phone: (815) 673-1513 Fax No. (815) 672-7343



SALES ORDER - LINE ITEM NO.3  
037963 - 1/0

WORK ORDER 011673  
HEAT NUMBER 827766

ISO 9001:2000  
AND  
ITS 16949:2002  
CERTIFIED

1/2

CUSTOMER P.O. P007000003	CUSTOMER PART 1000-48	LADING NO	SHIPMENT DATE
PART DESCRIPTION: 1000000000			
OD: 0.8000" MAX: 0.8000" MIN: 0.8000"			
Wall: 0.0030" MAX: 0.0030" MIN: 0.0030"			
Length: 19.00" (24.00" Spec: MIL-T 67368 Seamless Aircraft			
Grade: 4130			
Finish: Cold N			
Additional Specification(s)			
Complies to AMS-I 12345			
This test report data is for the heat Chemistry Stated above.			
The material in this test report is:			
1) Free from <u>Polybrominated Biphenyls (PBB)</u> , <u>Polybrominated Diphenyl Ethers (PBDE)</u> , and <u>Mercury</u> contamination.			
2) <u>NAFTA</u> compliant.			
End of Certification			
Rgs 1/2			
CARBON & ALLOY STEEL CORP. THESE TEST REPORTS APPLY			
TO P.O. No. <u>31-566-259</u>			
INVT. No. <u>229108</u>			
PCOTAGE <u>30.7500</u>			
DATE <u>5/6/08</u>			

I certify that the results are a true and correct copy of the records prepared and maintained by Plymouth Tube Company, Stretzor in compliance with the requirements of the cited specification. Chemistry is as required by the Steel supplier. This test report cannot be reproduced or distributed except in full without the written permission of Plymouth Tube.

Mark Reinhardt

Quality Assurance

1200 East 12th Street, Streeter, Minnesota 55134  
Phone: (612) 673-1515 Fax No. (612) 672-7363

SALES OR

037963 - 1/0

WORK ORDER 011073  
HEAT NUMBER 527768

ISO 9001:2000  
AND  
TS 16949:2002  
CERTIFIED

CUSTOMER P.O. P00700003	CUSTOMER PART 100048	LOADING NO.	SHIPMENT DATE																																												
PART DESCRIPTION: H05000500 OD: 0.0000" Max: 0.0010" Min: 0.0000" Wall: 0.0000" Max: 0.0010" Min: 0.0000" Length: 19.00 / 24.00" Spec: MS-T 5738B Stainless Aircraft Grade: 4130 Finish: Card N																																															
<b>CERTIFICATION REQUIREMENTS</b> This material was fully current tested and conforms to the requirements of ASTM A-400. This material is stress relief annealed. The final annealing temperature was 1020 degrees Fahrenheit. The Grain size is determined and reported by the raw material supplier in accordance to ASTM E-412. This raw material was magnetic particle inspected by the raw material supplier in accordance to AMS 2640J under ASTM E-1404, and rated as Frequent, and Severity to AMS 2301, latest revision. Yield is determined by using the 0.2% offset method.																																															
<b>Chemical Analysis</b> <table border="1"> <tr> <td>C</td><td>Mn</td><td>P</td><td>S</td><td>Si</td><td>Al</td><td>Cr</td><td>Mo</td><td>Ni</td><td>Pb</td><td>Cu</td> </tr> <tr> <td>.310</td><td>.53</td><td>.011</td><td>.002</td><td>.200</td><td>.002</td><td>.08</td><td>.16</td><td>.10</td><td>.001</td><td>.13</td> </tr> <tr> <td>V</td><td>Ti</td><td>Sn</td> <td colspan="3"></td> <td colspan="5"></td> </tr> <tr> <td>.003</td><td>.006</td><td>.013</td> <td colspan="3"></td> <td colspan="5"></td> </tr> </table>				C	Mn	P	S	Si	Al	Cr	Mo	Ni	Pb	Cu	.310	.53	.011	.002	.200	.002	.08	.16	.10	.001	.13	V	Ti	Sn									.003	.006	.013								
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<b>Metal Source</b> Bendler Steel Corp - Germany																																															
<b>Mechanical Properties</b> <table border="1"> <tr> <td rowspan="5">TEST Tensile Yield Elongation Reduction B Reduction C</td> <td rowspan="5">UNITS Psi Psi %</td> <td rowspan="5">STRENGTH 2 3 0 0</td> <td>HIGH 116000 100000 25</td> <td>LOW 110750 110000 20</td> <td>AVERAGE 113375 110000 23</td> <td>STD-DEV 2373 8448 3</td> </tr> <tr><td colspan="4"></td></tr> <tr><td colspan="4"></td></tr> <tr><td colspan="4"></td></tr> <tr><td colspan="4"></td></tr> <tr> <td rowspan="2">TEST Decarburized</td> <td rowspan="2">UNITS Parts Parts</td> <td rowspan="2">REMARKS Pass Pass</td> <td colspan="4"></td> </tr> <tr> <td colspan="4">Total 10000 decarb</td> </tr> </table>				TEST Tensile Yield Elongation Reduction B Reduction C	UNITS Psi Psi %	STRENGTH 2 3 0 0	HIGH 116000 100000 25	LOW 110750 110000 20	AVERAGE 113375 110000 23	STD-DEV 2373 8448 3																	TEST Decarburized	UNITS Parts Parts	REMARKS Pass Pass					Total 10000 decarb													
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Mark Reinhardt  
Quality Assurance

